

1. Record Nr.	UNINA9910153066603321
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Titolo	Engineering fundamentals of the internal combustion engine / / Willard W. Pulkrabek
Pubbl/distr/stampa	Harlow, England : , : Pearson, , [2014] Â©2014
ISBN	1-292-05497-2
Edizione	[Pearson new international edition, Second edition.]
Descrizione fisica	1 online resource (490 pages) : illustrations
Collana	Always Learning
Disciplina	621.43
Soggetti	Internal combustion engines
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (pages 448-459) and index.
Nota di contenuto	Cover -- Table of Contents -- 1. Introduction -- 2. Operating Characteristics -- 3. Engine Cycles -- 4. Thermochemistry and Fuels -- 5. Air and Fuel Induction -- 6. Fluid Motion within Combustion Chamber -- 7. Combustion -- 8. Exhaust Flow -- 9. Emissions and Air Pollution -- 10. Heat Transfer in Engines -- 11. Friction and Lubrication -- References -- Index.
Sommario/riassunto	For a one-semester, undergraduate-level course in Internal Combustion Engines. This applied thermoscience text explores the basic principles and applications of various types of internal combustion engines, with a major emphasis on reciprocating engines. It covers both spark ignition and compression ignition engines-as well as those operating on four-stroke cycles and on two stroke cycles-ranging in size from small model airplane engines to the larger stationary engines.